



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: US/09/770,169C
Source: 1FUS16
Date Processed by STIC: 9/8/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220-20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,
Room 1B03, Arlington, VA 22202



IFW16

RAW SEQUENCE LISTING

DATE: 09/08/2004

PATENT APPLICATION: US/09/770,169C

TIME: 15:42:29

Input Set : A:\39754-0531A saved August 31 2004.txt

Output Set: N:\CRF4\09082004\I770169C.raw

4 <110> APPLICANT: Saxon, Andrew
 5 Zhang, Ke
 7 <120> TITLE OF INVENTION: IMMUNOGLOBULIN CLASS SWITCH
 8 RECOMBINATION

Does Not Comply
Corrected Diskette Needed

10 <130> FILE REFERENCE: 39754-0531 A
 12 <140> CURRENT APPLICATION NUMBER: 09/770,169C
 13 <141> CURRENT FILING DATE: 2001-01-26
 15 <160> NUMBER OF SEQ ID NOS: 114
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0

19 <210> SEQ ID NO: 1

20 <211> LENGTH: 27

21 <212> TYPE: DNA

22 <213> ORGANISM: Artificial Sequence

24 <220> FEATURE:

25 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

27 <400> SEQUENCE: 1

28 ttgtccaggc cggcagcatc accggag

30 <210> SEQ ID NO: 2

31 <211> LENGTH: 31

32 <212> TYPE: DNA

33 <213> ORGANISM: Artificial Sequence

35 <220> FEATURE:

36 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

38 <400> SEQUENCE: 2

39 actcctcagt gggatggcct ctacactccc t

41 <210> SEQ ID NO: 3

42 <211> LENGTH: 22

43 <212> TYPE: DNA

44 <213> ORGANISM: Artificial Sequence

46 <220> FEATURE:

47 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

49 <400> SEQUENCE: 3

50 ctagaagctt tattgcggta gt

52 <210> SEQ ID NO: 4

53 <211> LENGTH: 24

54 <212> TYPE: DNA

55 <213> ORGANISM: Artificial Sequence

57 <220> FEATURE:

58 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

60 <400> SEQUENCE: 4

61 cgacaagctt agtttctatt ggctc

63 <210> SEQ ID NO: 5

64 <211> LENGTH: 28

PP-1-4,6

27 ? This is not a
 peptide
 sequence

31 same error

31

22

24

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Input Set : A:\39754-0531A saved August 31 2004.txt

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
71 <400> SEQUENCE: 5
72 actcagatgg ctaaactgag cctaagct 28
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 26
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
82 <400> SEQUENCE: 6
83 atgtttcagg ttcaggggga ggtgtg 26
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 24
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
93 <400> SEQUENCE: 7
94 gaggcttagac taacaggctg aact 24
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 30
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
104 <400> SEQUENCE: 8
105 actcctcagt gggatggact cacactccct 30
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 28
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
115 <400> SEQUENCE: 9
116 aagctttatt gcggtagttt atcacagt 28
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 27
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
126 <400> SEQUENCE: 10
127 ccaagatctc caggcaggca gaagtat 27
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 29
131 <212> TYPE: DNA

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132 <213> ORGANISM: Artificial Sequence
 134 <220> FEATURE:
 135 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 137 <400> SEQUENCE: 11
 138 cccaactagt cttagcctga tacaacctg 29
 140 <210> SEQ ID NO: 12
 141 <211> LENGTH: 27
 142 <212> TYPE: DNA
 143 <213> ORGANISM: Artificial Sequence
 145 <220> FEATURE:
 146 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 148 <400> SEQUENCE: 12
 149 ttgtccaggc catcagcatc actggag 27
 151 <210> SEQ ID NO: 13
 152 <211> LENGTH: 25
 153 <212> TYPE: DNA
 154 <213> ORGANISM: Artificial Sequence
 156 <220> FEATURE:
 157 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 159 <400> SEQUENCE: 13
 160 agctgtccag gaacccgaca gggag 25
 162 <210> SEQ ID NO: 14
 163 <211> LENGTH: 21
 164 <212> TYPE: DNA
 165 <213> ORGANISM: Artificial Sequence
 167 <220> FEATURE:
 168 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 170 <400> SEQUENCE: 14
 171 gttgatagtc cctgggggtgt a 21
 173 <210> SEQ ID NO: 15
 174 <211> LENGTH: 25
 175 <212> TYPE: DNA
 176 <213> ORGANISM: Artificial Sequence
 178 <220> FEATURE:
 179 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 181 <400> SEQUENCE: 15
 182 tgtcccttag aggacaggtg gccaa 25
 184 <210> SEQ ID NO: 16
 185 <211> LENGTH: 24
 186 <212> TYPE: DNA
 187 <213> ORGANISM: Artificial Sequence
 189 <220> FEATURE:
 190 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 192 <400> SEQUENCE: 16
 193 tctagacaag gggacctgct catt 24
 195 <210> SEQ ID NO: 17
 196 <211> LENGTH: 29
 197 <212> TYPE: DNA
 198 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

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200 <220> FEATURE:

201 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

203 <400> SEQUENCE: 17

204 ttatcccagc agaactcagt ttaaatacac 29

206 <210> SEQ ID NO: 18

207 <211> LENGTH: 22

208 <212> TYPE: DNA

209 <213> ORGANISM: Artificial Sequence

211 <220> FEATURE:

212 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

214 <400> SEQUENCE: 18

215 gccagttca gttaacctca ac 22

217 <210> SEQ ID NO: 19

218 <211> LENGTH: 40

219 <212> TYPE: DNA

220 <213> ORGANISM: Homo sapiens

222 <400> SEQUENCE: 19

223 tgggctgagc tgggctgggc tgggctgggc tgagcgggtc 40

225 <210> SEQ ID NO: 20

226 <211> LENGTH: 40

227 <212> TYPE: DNA

228 <213> ORGANISM: Homo sapiens

230 <400> SEQUENCE: 20

231 tgggctgagc tgggctgggtg gaaggcagga cgagcagggg 40

233 <210> SEQ ID NO: 21

234 <211> LENGTH: 39

235 <212> TYPE: DNA

236 <213> ORGANISM: Homo sapiens

238 <400> SEQUENCE: 21

239 cagccacagg tgagcaggcc gtgagcagac gagcagggg 39

241 <210> SEQ ID NO: 22

242 <211> LENGTH: 40

243 <212> TYPE: DNA

244 <213> ORGANISM: Homo sapiens

246 <400> SEQUENCE: 22

247 ctaacaggct gaactgggct gagctgagct gaactgggct 40

249 <210> SEQ ID NO: 23

250 <211> LENGTH: 40

251 <212> TYPE: DNA

252 <213> ORGANISM: Homo sapiens

254 <400> SEQUENCE: 23

255 ctaacaggct gaactgggct ggcaggagct gggtagttgc 40

257 <210> SEQ ID NO: 24

258 <211> LENGTH: 40

259 <212> TYPE: DNA

260 <213> ORGANISM: Homo sapiens

262 <400> SEQUENCE: 24

263 tcactcagct cctagatttt ggcaggagct gggtagttgc 40

265 <210> SEQ ID NO: 25

*Please correct
this error
in subsequent
sequences.*

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Input Set : A:\39754-0531A saved August 31 2004.txt

Output Set: N:\CRF4\09082004\I770169C.raw

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266 <211> LENGTH: 40
267 <212> TYPE: DNA
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 25
271 ttgaactggg ttgagctgag ctgagctgag ctgggctaag 40
273 <210> SEQ ID NO: 26
274 <211> LENGTH: 40
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
278 <400> SEQUENCE: 26
279 ttgaactggg ttgagctgag cagagcagag gccactgagg 40
281 <210> SEQ ID NO: 27
282 <211> LENGTH: 40
283 <212> TYPE: DNA
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 27
287 cgttcacgga gctgacccag cagagcagag gccactgagg 40
289 <210> SEQ ID NO: 28
290 <211> LENGTH: 39
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 28
295 tgggctgggc tgagcgggtc agcgggctga gctgagctg 39
297 <210> SEQ ID NO: 29
298 <211> LENGTH: 40
299 <212> TYPE: DNA
300 <213> ORGANISM: Homo sapiens
302 <400> SEQUENCE: 29
303 tgggctgggc tgagcgggtc agcctcctgg tgccgggaag 40
305 <210> SEQ ID NO: 30
306 <211> LENGTH: 40
307 <212> TYPE: DNA
308 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 30
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313 <210> SEQ ID NO: 31
314 <211> LENGTH: 40
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
318 <400> SEQUENCE: 31
319 agggagctga cccagcagag cagaggccac tgaggagctg 40
321 <210> SEQ ID NO: 32
322 <211> LENGTH: 40
323 <212> TYPE: DNA
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 32
327 agggagctga cccagcagag ctgagcgggg ccgagcgggg 40
329 <210> SEQ ID NO: 33
330 <211> LENGTH: 39

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29

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/08/2004
PATENT APPLICATION: US/09/770,169C TIME: 15:42:30

Input Set : A:\39754-0531A saved August 31 2004.txt
Output Set: N:\CRF4\09082004\I770169C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:111; N Pos. 1

VERIFICATION SUMMARY

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Input Set : A:\39754-0531A saved August 31 2004.txt

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:964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0